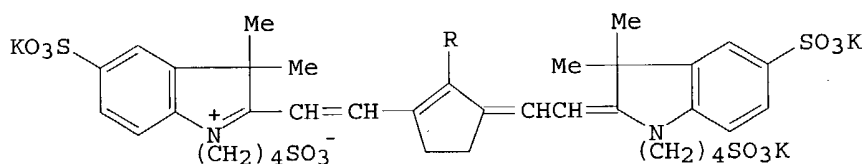
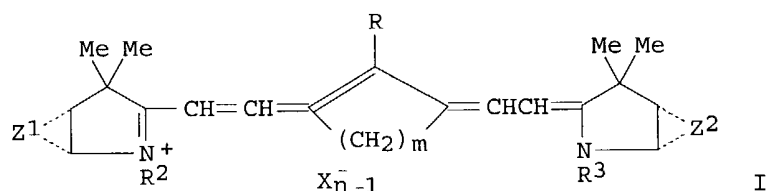


L7 ANSWER 65 OF 71 CAPLUS COPYRIGHT 2003 ACS on STN  
 ACCESSION NUMBER: 1994:633080 CAPLUS  
 DOCUMENT NUMBER: 121:233080  
 TITLE: Indolenine cyanine dyes  
 INVENTOR(S): Harada, Tooru  
 PATENT ASSIGNEE(S): Fuji Photo Film Co Ltd, Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06145539	A2	19940524	JP 1992-295163	19921104
PRIORITY APPLN. INFO.:			JP 1992-295163	19921104
OTHER SOURCE(S):		MARPAT 121:233080		

GI



AB The title dyes useful for photog., optical recording, stains, intermediates, etc. have the general formula I (R = SR1, OR1, NR4R5, CHR6R7; R1 = alkyl, aryl; R2, R3 = alkyl contg. acid group; R4 = alkyl, aryl; R5 = H, alkyl, aryl; R6, R7 = cyano, sulfo, alkylcarbonyl, arylcarbonyl, carbamoyl, sulfonyl, R6R7 = ring member; Z1, Z2 = acid group-contg. benzo or naphtho ring member; X- = anion; m = 2, 3; n = 1,2). II was treated with thioglycolic acid in water in the presence of Et3N and recrystd. from MeOH-KOAc to obtain III.

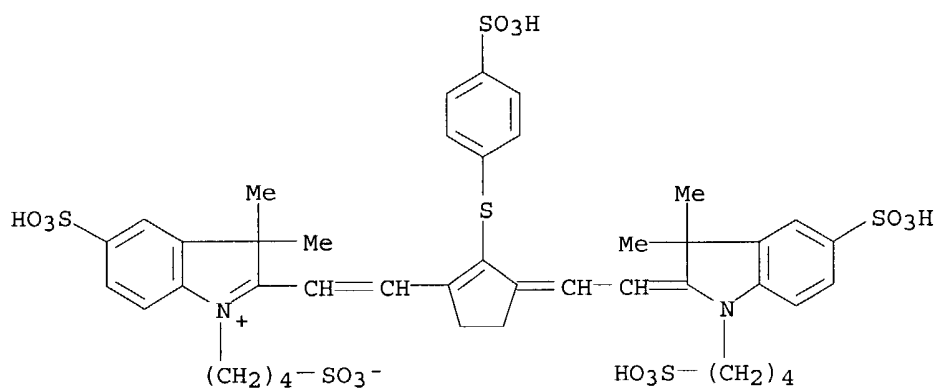
IT 158498-47-6P 158498-55-6P 158498-60-3P  
 158498-67-0P 158498-78-3P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
 (indolenine cyanine dyes)

RN 158498-47-6 CAPLUS

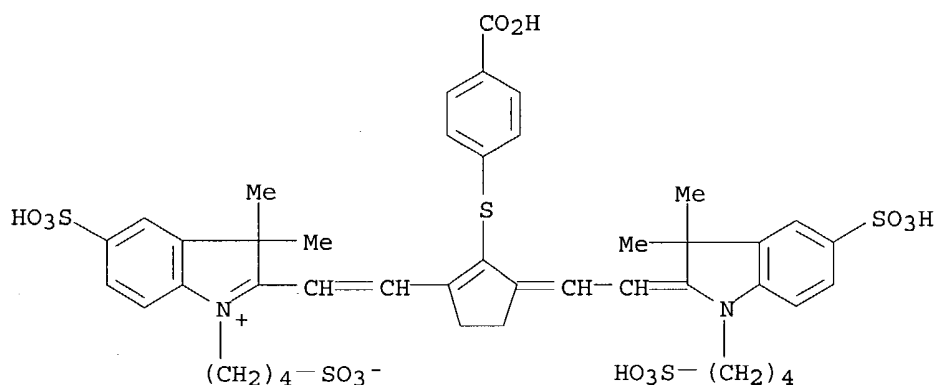
CN 3H-Indolium, 2-[2-[3-[[1,3-dihydro-3,3-dimethyl-5-sulfo-1-(4-sulfobutyl)-

2H-indol-2-ylidene]ethylidene]-2-[(4-sulfophenyl)thio]-1-cyclopenten-1-yl]ethenyl]-3,3-dimethyl-5-sulfo-1-(4-sulfobutyl)-, inner salt, tetrapotassium salt (9CI) (CA INDEX NAME)



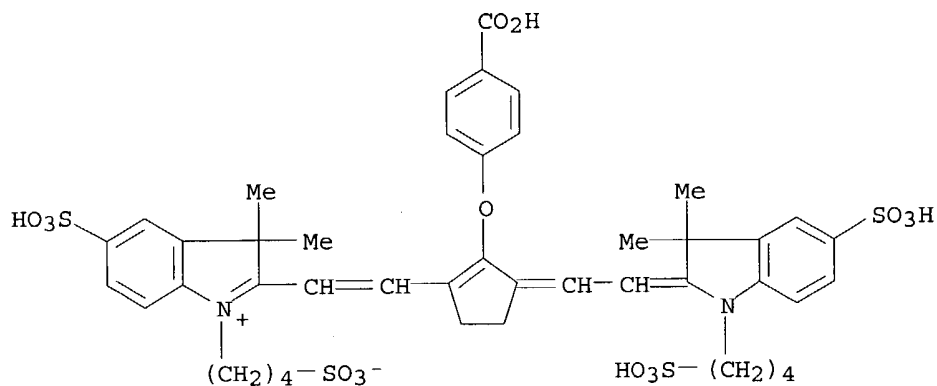
● 4 K

RN 158498-55-6 CAPLUS  
CN 3H-Indolium, 2-[2-[2-[(4-carboxyphenyl)thio]-3-[[1,3-dihydro-3,3-dimethyl-5-sulfo-1-(4-sulfobutyl)-2H-indol-2-ylidene]ethylidene]-1-cyclopenten-1-yl]ethenyl]-3,3-dimethyl-5-sulfo-1-(4-sulfobutyl)-, inner salt, tetrapotassium salt (9CI) (CA INDEX NAME)



● 4 K

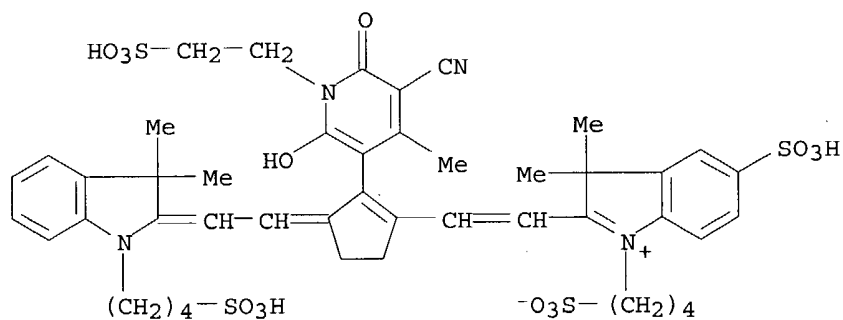
RN 158498-60-3 CAPLUS  
CN 3H-Indolium, 2-[2-[2-(4-carboxyphenoxy)-3-[[1,3-dihydro-3,3-dimethyl-5-sulfo-1-(4-sulfobutyl)-2H-indol-2-ylidene]ethylidene]-1-cyclopenten-1-yl]ethenyl]-3,3-dimethyl-5-sulfo-1-(4-sulfobutyl)-, inner salt, tetrapotassium salt (9CI) (CA INDEX NAME)



● 4 K

RN 158498-67-0 CAPLUS

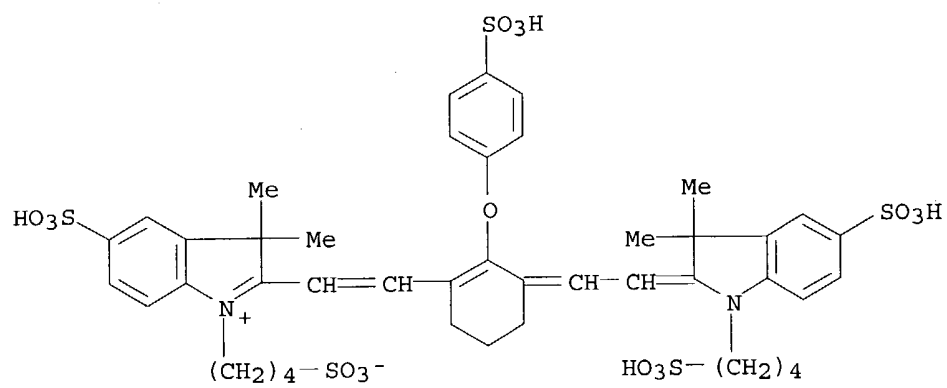
CN 3H-Indolium, 2-[2-[2-[5-cyano-1,6-dihydro-2-hydroxy-4-methyl-6-oxo-1-(2-sulfoethyl)-3-pyridinyl]-3-[[1,3-dihydro-3,3-dimethyl-1-(4-sulfobutyl)-2H-indol-2-ylidene]ethylidene]-1-cyclopenten-1-yl]ethenyl]-3,3-dimethyl-5-sulfo-1-(4-sulfobutyl)-, inner salt, tetrapotassium salt (9CI) (CA INDEX NAME)



● 4 K

RN 158498-78-3 CAPLUS

CN 3H-Indolium, 2-[2-[3-[[1,3-dihydro-3,3-dimethyl-5-sulfo-1-(4-sulfobutyl)-2H-indol-2-ylidene]ethylidene]-2-(4-sulfophenoxy)-1-cyclohexen-1-yl]ethenyl]-3,3-dimethyl-5-sulfo-1-(4-sulfobutyl)-, inner salt, tetrapotassium salt (9CI) (CA INDEX NAME)



● 4 K